PTO/SB/08A (07-05)

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stitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of |6

Complete if Known				
Application Number	09/676,448			
Filing Date	September 29, 2000			
First Named Inventor	Shawn D. Cartwright			
Art Unit	3621	·		
Examiner Name	Calvin L. Hewitt, II			
Attorney Docket Number	26806 000			

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ļ	Number-Kind Code <sup>2 (f known)</sup>		ļ	Tigures Appear
		US-		Nerac Question 10588883.296	
		<sup>US-</sup> 20050193015/US		G. Logston et al.	
		<sup>US-</sup> 20050192800/US		Broadcom Corporation	
		<sup>US-</sup> 20050192081/US		D. Marks et al.	
		<sup>US-</sup> 20050192071/US		Y. Matsuno et al.	
		<sup>US-</sup> 20050185638/US		G. Begis	
		<sup>US-</sup> 20050182687/US		J. Godfrey	
		<sup>US-</sup> 20050182681/US		T. Bruskotter et al.	
		<sup>US-</sup> 20050182589/US		I. Smocha et al.	
		<sup>US-</sup> 20050181860/US	-	B. Nguyen et al.	
		<sup>US-</sup> 20050181858/US		G. Caro et al.	
		<sup>US-</sup> 20050181796/US		G.V. Kumar et al.	
		<sup>US-</sup> 20050178829/US		E. Rosenberg	
		<sup>US-</sup> 20050177859/US		H. Valentino et al.	
		us- 20050177519/US		R. Block	
		<sup>US-</sup> 20050177427/US		J. Mount et al.	
		<sup>US-</sup> 20050177417/US		K. Koreyasu	
		<sup>US-</sup> 20050176509/US		J. Hirato	
		<sup>US-</sup> 20050175181/US		M. Bergs et al.	

		FORE	GN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 09/676.448 Filing Date September 29, 2000 INFORMATION DISCLOSURE First Named Inventor Shawn D. Cartwright STATEMENT BY APPLICANT Art Unit 3621 (Use as many sheets as necessary) **Examiner Name** Calvin L. Hewitt, II Attorney Docket Number 26806.000 Sheet 2

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code <sup>2 (if known)</sup>			Figures Appear
		US-		Nerac Question 10588883.296	
		<sup>US-</sup> 20050173519/US		J. Gatto	
		<sup>US-</sup> 20050171847/US		PayByClick Corporation	
		<sup>US-</sup> 20050170885/US		R. Poole et al.	
		<sup>US-</sup> 20050170880/US		J. Walker et al.	
		<sup>US-</sup> 20050170876/US		J. Masci et al.	
		<sup>US-</sup> 20050166064/US		C. Dive-Reclus et al.	
		<sup>US-</sup> 20050165637/US		M. Meyerhofer	
		<sup>US-</sup> 20050164780/US		K. Okada et al.	
		<sup>US-</sup> 20050163361/US		J. Jones et al.	
		<sup>US-</sup> 20050162439/US		D. Bates et al.	
		<sup>US-</sup> 20050159220/US		G. Wilson et al.	
		<sup>US-</sup> 20050159213/US		K. Okada et al.	
		<sup>US-</sup> 20050159203/US		A. Bond et al.	
		<sup>US-</sup> 20050157217/US		J. Hendricks	
		<sup>US-</sup> 20050155063/US		S. Bayrakeri et al.	
		<sup>US-</sup> 20050154804/US		H. Stewart et al.	
		<sup>US-</sup> 20050153779/US		R. Ziegler	
		<sup>US-</sup> 20050153766/US		M. Harmon	

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INFORMATION DISCLOSURE			Filing Date	September 29, 2000	
			First Named Inventor	Shawn D. Cartwright	
STATEM	ENT BY APPI	LICANT	Art Unit	3621	
(Use as many sheets as necessary)		Examiner Name	Calvin L. Hewitt, II		
Sheet 3	of 6		Attorney Docket Number	26806.000	

			0.0	DOCUMENTS	Comment Lines 14/hors
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
		US-		Nerac Question 10588883.296	
	1	<sup>US-</sup> 29959153760/US		J. Varley	
		<sup>US-</sup> 20050153759/US		J. Varley	
		<sup>US-</sup> 20050151722/US		J. Meteyer	
		<sup>US-</sup> 20050149855/US		R. Loo et al.	
		<sup>US-</sup> 20050149454/US		G. Chen et al.	
	T	<sup>US-</sup> 20050149394/US		R. Postrel	
		<sup>US-</sup> 20050148384/US		D. Marks et al.	
		<sup>US-</sup> 20050146745/US		J. Umehara	
		<sup>US-</sup> 20050144115/US		ITA Investments, LLC	
		<sup>US-</sup> 20050144068/US		Palo Alto Research Center Inc.	
		<sup>US-</sup> 20050141525/US		M. Rose	
		<sup>US-</sup> 20050138656/US		S. Moore et al.	
		<sup>US-</sup> 20050138560/US		K. Lee et al.	
		US- 20050138158/US		Intl. Business Machines Corp.	
		US- 20050137963		J. Ricketts	
		<sup>US-</sup> 20050132420/US		D. Howard et al.	
		<sup>US-</sup> 20050130501/US		Dell Products L.P.	
		<sup>US-</sup> 20050130112/US		M. Lotvin et al.	

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Substitute for form 1449/PTO		Complete if Known		
		Application Number	09/676,448	
INICODIA	ATION DISCLOSURE	Filing Date	September 29, 2000	
	ATION DISCLOSURE	First Named Inventor	Shawn D. Cartwright	
STATEM	ENT BY APPLICANT	Art Unit	3621	
(Use as many sheets as necessary)		Examiner Name	Calvin L. Hewitt, II	
Sheet 4	of 6	Attorney Docket Number	26806.000	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-		Nerac Question 10588883.296	
-		<sup>US-</sup> 20050129187/US		Intl. Business Machines Corporation	
		<sup>US-</sup> 20050125363/US		C. Wilson et al.	
		<sup>US-</sup> 20050125328/US		Trading Technologies Intl., Inc.	
		<sup>US-</sup> 20050124406/US		IGT	
		<sup>US-</sup> 20050120868/US		Microsoft Corporation	
		<sup>US-</sup> 20050120221/US		O. Amold et al.	
		<sup>US-</sup> 20050119934/US		F. Kamiyama	
	<u> </u>	<sup>US-</sup> 20050116951/US		P. Stephenson	
		<sup>US-</sup> 20050113162/US		S. Olive et al.	
		<sup>US-</sup> 20050110690/US		Y. Ko et al.	
		<sup>US-</sup> 20050108563/US		C. Becker et al.	
		<sup>US-</sup> 20050108252/US		J. Pfaltz et al.	
		<sup>US-</sup> 20050108144/US		R. Longman et al.	
-		US- 20050108127/US		First Data Corporation	
		<sup>US-</sup> 20050108090/US		Y. Takeda et al.	
_		<sup>US-</sup> 20050107155/US		Cash Systems, Inc.	
		<sup>US-</sup> 20050107152/US		First Data Corporation	
	l	<sup>US-</sup> 20050105731/US		G. Gemplus	

	FOREIGN PATENT DOCUMENTS					
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Sub	suldie for form 1445/1 TO	Application Number	09/676,448	
181	FORMATION DISCLOSURE	Filing Date	September 29, 2000	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		First Named Inventor	Shawn D. Cartwright	
		Art Unit	3621	
		Examiner Name	Calvin L. Hewitt, II	
eet	5 of 6	Attorney Docket Number	26806.000	

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		<sup>US-</sup> 20050102638/US		Z. Jiang et al.	
		<sup>US-</sup> 20050102381/US		Z. Jiang et al.	
		<sup>US-</sup> 20050102374/US		Zephyr Media, Inc.	
		<sup>US-</sup> 20050102329/US		Z. Jiang et al.	
		<sup>US-</sup> 20050102216/US		G. Ballman	
		<sup>US-</sup> 20050102215/US		L. Ausubel et al.	
		<sup>US-</sup> 20050102211/US		C. Freeny	
		<sup>US-</sup> 20050102199/US		National Instruments Corporation	
		<sup>US-</sup> 20050102188/US		R. Hutchison et al.	
		<sup>US-</sup> 20050102178/US		D. Phillips et al.	
		<sup>US-</sup> 20050096975/US		E. Moshe	
		<sup>US-</sup> 20050096841/US		B. Gedik et al.	
	l	<sup>US-</sup> 20050096133/US		R. Hoefelmeyer et al.	
		<sup>US-</sup> 20050096127/US		S. Dabrowski	
		<sup>US-</sup> 20050096123/US		K. Cregan et al.	
		<sup>US-</sup> 20050096121/US		J. Gilliland et al.	
		<sup>US-</sup> 20050096116/US		B. Mindes	
		<sup>US-</sup> 20050096114/US		IGT	

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		<sup>US-</sup> 20050092839/US		T. Oram	
		<sup>US-</sup> 20050091133/US		G. Ballman	
		<sup>US-</sup> 20050086585/US		W. Robert et al.	
		<sup>US-</sup> 20050086126/US		R. Patterson	
		<sup>US-</sup> 20050085295/US		J. Walker et al.	
		<sup>US-</sup> 20050085294/US		J. Walker et al.	
		<sup>US-</sup> 20050083877		Nokia Corporation	
		<sup>US-</sup> 20050080911/US		T. Stiers et al.	
		<sup>US-</sup> 20050080727/US		R. Postrel	
		US-			

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